CONSTRUCTION SPECIAL SPECIFICATION

SECTION 15858_S

<u>FAN COIL UNITS</u>

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FAN COIL UNITS

PART 1 - GENERAL

1.01   WORK INCLUDED

    A. This section specifies horizontal fan coil units for concealed and cabinet type overhead installation.

PART 2 - PRODUCTS

2.01   ACCEPTABLE MANUFACTURERS

    A. Titus

    B. Trane.

    C. Carrier.

    D. York.

2.02   ASSEMBLY

    A. Horizontal concealed or horizontal cabinet with casing, cooling coil, drain pan, fan, motor.

    B. Chassis. Galvanized steel, welded with flanged edges, hinged bottom panel.

    C. Cabinet. (only as called out in schedule) 18 ga. steel, channel-formed panel edges. Hinged bottom access, stamped integral SA/RA grilles on cabinet.

2.03   COILS - CHILLED WATER

    A. Aluminum fin, seamless copper tubes tested to 300 psig.

    B. Provide manual air vents and drain plugs for each coil.

    C. Allow no more than 10 feet of water pressure drop.

    D. Provide factory installed coil two-way control valve with line voltage electric solenoid control valve.

2.04   FANS

A. Fan wheels to be centrifugal forward curve, double-width, housings/fan scrolls of formed galvanized sheet metal.

2.05   MOTORS

A. Provide motors of the permanent, split capacitor type wired for multiple speeds.

B. Control the motors with easily accessible, multi-speed switches located within the fan coil unit housing.

C. Provide built-in thermal overload protection.

2.06   DRAIN PAN

A. Provide insulated pans, sealed with mastic and pitched toward the drain connection. Provide primary and secondary drains.

2.07   FILTERS

A. Provide 1-inch disposable filters.

PART 3 - EXECUTION

3.01   INSTALLATION

A. Coil connections are detailed on drawings.

B. Install units as per manufacturer's written instructions.

END OF SECTION